

Docket No. 283829US0PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Thomas RUECKLE, et al.

SERIAL NO: 10/565,976

GAU:

FILED: January 26, 2006

EXAMINER:

FOR: 2-IMINO-4-(THIO) OXO-5-POLY CYCLOVINYLAZOLINES FOR USE AS P13 KINASE INHIBITORS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

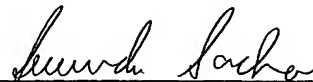
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Norman F. Oblon

Registration No. 24,618

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Surinder Sachar

Registration No. 34,423

U.S. PCT Application Serial No: 10/565,976

Filed: January 26, 2006

Thomas RUECKLE, et al.

Docket No. 283829 US

STATEMENT OF RELEVANCY

- 1) References AO & AW have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References AP & AAV - AAW have been cited in the corresponding Partial European Search Report. A copy of these references is being submitted herewith.
- 3) References AX - AAU are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References are additional prior art known to Applicant. A copy of these references is being submitted herewith.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 283829US0PCT		SERIAL NO. 10/565,976	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Thomas RUECKLE, et al.			
				FILING DATE January 26, 2006		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	0 697 410	02/21/96	EP		NO	
	AP	5-2200	01/08/93	JP (with English abstract)		NO	
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	ROUE, Nathalie et al., "Synthesis of the marine alkaloid leucettamine B", Tetrahedron, Vol. 55, No. 51, Pages 14729-14738, 1999.					
	AX	BRUMMOND, Kay M. et al., "Solid-Phase Synthesis of BRL 49653", J. Org. Chem., Vol. 64, Pages 1723-1726, 1999.					
	AY	FRASER, et al., "Regulation of Interleukin-2 Gene Enhancer Activity by the T Cell Accessory Molecule CD28", Science, Vol. 251, Pages 313-316, 1991.					
	AZ	FRUMAN, David A. et al., "Phosphoinositide Kinases", Ann. Rev. Biochem, Vol. 67, Pages 481-507, 1998.				<input checked="" type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 290542US2PCT		SERIAL NO. 10/565,976	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Stefan Martin Benjamin GACHTER			
				FILING DATE January 26, 2006		GROUP	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AAA	GERARD, Craig et al., "Chemokines and disease", Nature Immunology, Vol. 2, No. 2, Pages 108-115, 2001.					
	AAB	HIRSCH, Emilio et al., "Resistance to thromboembolism in PI3Ky-deficient mice" FASEB, Vol.15, Part 11, Pages 2019-2021, 2001.					
	AAC	HIRSCH, Emilio et al., "Central role for G protein-coupled phosphoinositide 3-Kinase γ in inflammation", Science, Vol. 287, Part 5455, Pages 1049-1053, 2000.					
	AAD	LOPEZ-ILASACA, Marco et al., "Phosphoinositide 3-Kinase γ is a mediator of G $\beta\gamma$ -dependent jun kinase activation", The Journal of Biological Chemistry, Vol. 273, No. 5, Pages 2505-2508, 1998.					
	AAE	JANUSZ, John M. et al., "New cyclooxygenase-2/5-lipoxygenase inhibitors. 3, 7-tert-butyl-2, 3-dihydro-3, 3-dimethylbenzofuran derivatives as gastrointestinal safe antiinflammatory and analgesic agents: variations at the 5 position", Journal of Med. Chem., Vol. 41, No. 18, Pages 3515-3529, 1998.					
	AAF	KATSO, Roy et al., "Cellular function of phosphoinositide 3-Kinases: Implications for development, immunity, homeostasis, and Cancer", "Annu. Rev. Cell Dev. Biol.", Vol. 17, Pages 615-675, 2001.					
	AAG	LAFFARGUE, Muriel et al., "Phosphoinositide 3-Kinase γ is an essential amplifier of mast cell function", Immunity, Vol. 16, No. 3, Pages 441-451, 2002.					
	AAH	LAWLOR, Margaret A. et al., "PKB/Akt: a key mediator of cell proliferation, survival and insulin responses", Journal of Cell Science, Vol. 114, No. 16, Pages 2903-2910, 2001.					
	AAI	LESLIE, Nick R. et al., "Phosphoinositide-regulated Kinases and Phosphoinositide phosphatases", Chem. Rev., Vol. 101, No. 8, Pages 2365-2380, 2001.					
	AAJ	PAGES, Francoise et al., "Binding of phosphatidyl-inositol-3-OH kinase to CD28 is required for T-cell signalling", Nature, Vol. 369, Pages 327-329, 1994.					
	AAK	PANAYOTOU, George et al., "Phosphatidyl-inositol 3-kinase: a key enzyme in diverse signalling processes", Trends in Cell Biology, Vol. 2, Pages 358-360, 1992.					
	AAL	PARKER, Peter J. et al., "PI 3-kinase puts GTP on the rac", Current Biology, Vol. 5, No. 6, 1995.					
	AAM	RUDD, Christopher E. et al., "Upstream-downstream: CD28 cosignaling pathways and T cell function", Immunity, Vol. 4, Pages 527-534, 1996.					
	AAN	STEIN, Robert C. et al., "PI3-kinase inhibition: a target for drug development?", Molecular Medicine Today, Vol. 6, No. 9, Pages 347-357, 2000.					
	AAO	STEPHENS, Len, et al., "Roles of PI3Ks in leukocyte chemotaxis and phagocytosis", Current Opinion Cell. Biol., Vol. 14, No. 2, Pages 203-213, 2002.					
	AAP	THELEN, Marcus et al., "Wortmannin binds specifically to 1-phosphatidylinositol 3-kinase while inhibiting guanine nucleotide-binding protein-coupled receptor signaling in neutrophil leukocytes", Proc. Natl. Acad. Sci, Vol. 91, Pages 4960-4964, 1994.					
	AAO	TOKER A. et al., "Phosphoinositides and signal transduction", Cellular and Molecular Life Sciences, Vol. 59, No. 5, Pages 761-779, 2002.					
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 283829US0PCT		SERIAL NO. 10/565,976	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Thomas RUECKLE, et al.			
				FILING DATE January 26, 2006		GROUP	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AAR	VANHAESEBROECK, B. et al., "Signaling by distinct classes of phosphoinositide 3-kinases", Experimental Cell Research, Vol. 253, Part 1, Pages 239-254, 1999.					
	AAS	VANHAESEBROECK, Bart, et al., "Phosphoinositide 3-kinases: a conserved family of signal transducers", Trends Biochem. Sci., Vol. 22, No. 7, Pages 267-272, 1997.					
	AAT	WYMAN, Matthias P. et al., "Lipids on the move: phosphoinositide 3-kinases in leukocyte function", Immunology Today, Vol. 21, No. 6, Pages 260-264.					
	AAU	YAO, Ryoji et al., "Requirement for phosphatidylinositol-3 kinase in the prevention of apoptosis by nerve growth factor", Science, Vol. 267, Pages 2003-2006, 1995.					
	AAV	"Chemical Block Stock Library", XP002263803, 2003					
	AAW	"ChemDiv Inc. Product Library", XP002263804, 2003.					
Examiner						Date Considered	
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							